

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,381,560 B2
APPLICATION NO. : 09/911692
DATED : June 3, 2008
INVENTOR(S) : D. R. Anderson et al.

Page 1 of 24

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Strike the entire sequence listing (col. 31/32, line 15, through col. 53/54, line 10) and replace it with the following

--
SEQUENCE LISTING

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<213> ORGANISM: Artificial Sequence

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<220> FEATURE:

<223> OTHER INFORMATION: sense orientation

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

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gtaacaactc	cgccccattg	acgcaaatgg	gcggtagggc	tgtacgggtg	gaggtctata	2340
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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,381,560 B2
APPLICATION NO. : 09/911692
DATED : June 3, 2008
INVENTOR(S) : D. R. Anderson et al.

Page 10 of 24

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

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DATED : June 3, 2008
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Page 11 of 24

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

gtgccactcc	cactgtcctt	tcctaataaa	atgaggaaat	tgcacgcgat	tgtctgagta	4020
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gctggatctc	ccgatcccca	gctttgcttc	tcaatttctt	atttgcataa	tgagaaaaaa	4200
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gccatcatgg	ttcgaccatt	gaactgcac	gtcgcctgtg	cccaaatat	ggggattggc	4680
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gaactcaaag	aaccaccacg	aggagctcat	tttcttgcca	aaagtttgga	tgatgcctta	4920
agacttattg	aacaaccgga	attggcaagt	aaagtagaca	tggtttggat	agtcggaggc	4980
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INVENTOR(S) : D. R. Anderson et al.

Page 12 of 24

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

tcgagctact	agctttgctt	ctcaatttct	tatttgcata	atgagaaaaa	aaggaaaatt	5580
aattttaaca	ccaattcagt	agttgattga	gcaaatgcgt	tgccaaaaag	gatgctttag	5640
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ctgacatagt	tgtgttggga	gcttggatcg	atcctctatg	gttgaacaag	atggattgca	5940
cgcaggttct	ccggccgctt	gggtggagag	gctattcggc	tatgactggg	cacaacagac	6000
aatcggctgc	tctgatgccg	ccgtgttccg	gctgtcagcg	caggggcgcc	cggttctttt	6060
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gtggctggcc	acgacgggcg	ttccttgccg	agctgtgctc	gacgttgtca	ctgaagcggg	6180
aagggactgg	ctgctattgg	gcgaagtgcc	ggggcaggat	ctcctgtcat	ctcaccttgc	6240
tcctgccgag	aaagtatcca	tcattggctga	tgcaatgcgg	cggctgcata	cgttgatcc	6300
ggctacctgc	ccattcgacc	accaagcgaa	acatcgcac	gagcgagcac	gtactcggat	6360
ggaagccggt	cttgtcgatc	aggatgatct	ggacgaagag	catcaggggc	tcgcgccagc	6420
cgaactgttc	gccaggctca	aggcgccgat	gcccgaagcg	gaggatctcg	tcgtgaocca	6480
tggcgatgcc	tgcttgccga	atatcatggt	ggaaaatggc	cgtttttctg	gattcatcga	6540
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UNITED STATES PATENT AND TRADEMARK OFFICE
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INVENTOR(S) : D. R. Anderson et al.

Page 13 of 24

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

attgttatcc	gctcacaatt	ccacacaaca	tacgagccgg	aagcataaag	tgtaaagcct	7140
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UNITED STATES PATENT AND TRADEMARK OFFICE
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DATED : June 3, 2008
INVENTOR(S) : D. R. Anderson et al.

Page 14 of 24

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

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attgtctcat	gagcggatac	atatttgaat	gtattttagaa	aaataaacia	ataggggttc	9180
cgcgcacatt	tccccgaaaa	gtgccacct				9209

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CERTIFICATE OF CORRECTION

PATENT NO. : 7,381,560 B2
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DATED : June 3, 2008
INVENTOR(S) : D. R. Anderson et al.

Page 15 of 24

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<210> SEQ ID NO 3
<211> LENGTH: 384
<212> TYPE: DNA
<213> ORGANISM: *Mus musculus*

<220> FEATURE:
<223> OTHER INFORMATION: sense orientation

<400> SEQUENCE: 3
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gtcacaaatga cttgcagggc cagcctgtct gcatctccag gggagaaggc cacaatgact 180
tgcagggcca gccccaaacc ctggatttat gccacatcca acctggcttc tggagtcctt 240
gttcgcttca gtggcagtgg gtctgggact tcttactctc tcacaatcag cagagtggag 300
gctgaagatg ctgccactta ttactgccag cagtggacta gtaaccacc caggttcgga 360
ggggggacca agctggaaat caaa 384

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CERTIFICATE OF CORRECTION

PATENT NO. : 7,381,560 B2
APPLICATION NO. : 09/911692
DATED : June 3, 2008
INVENTOR(S) : D. R. Anderson et al.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<210> SEQ ID NO 4
<211> LENGTH: 128
<212> TYPE: PRT
<213> ORGANISM: Mus musculus

<400> SEQUENCE: 4

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Val	Ile	Met	Ser	Arg	Gly	Gln	Ile	Val	Leu	Ser	Gln	Ser	Pro	Ala	Ile
			20					25					30		
Leu	Ser	Ala	Ser	Pro	Gly	Glu	Lys	Val	Thr	Met	Thr	Cys	Arg	Ala	Ser
			35				40					45			
Ser	Ser	Val	Ser	Tyr	Ile	His	Trp	Phe	Gln	Gln	Lys	Pro	Gly	Ser	Ser
		50				55					60				
Pro	Lys	Pro	Trp	Ile	Tyr	Ala	Thr	Ser	Asn	Leu	Ala	Ser	Gly	Val	Pro
					70					75				80	
Val	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Ser	Tyr	Ser	Leu	Thr	Ile
				85					90					95	
Ser	Arg	Val	Glu	Ala	Glu	Asp	Ala	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Trp
			100					105					110		
Thr	Ser	Asn	Pro	Pro	Thr	Phe	Gly	Gly	Gly	Thr	Lys	Leu	Glu	Ile	Lys
			115				120					125			

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INVENTOR(S) : D. R. Anderson et al.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<210> SEQ ID NO 5
<211> LENGTH: 420
<212> TYPE: DNA
<213> ORGANISM: *Mus musculus*

<220> FEATURE:
<223> OTHER INFORMATION: sense orientation

<400> SEQUENCE: 5
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tgcaaggctt ctggctacac attaccagt tacaatatgc actgggtaaa acagacacct 180
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cagaagttca aaggcaaggc cacattgact gcagacaaat cctccagcac agcctacatg 300
cagctcagca gcctgacatc tgaggactct gcggtctatt actgtgcaag atcgacttac 360
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INVENTOR(S) : D. R. Anderson et al.

Page 18 of 24

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<210> SEQ ID NO 6
<211> LENGTH: 140
<212> TYPE: PRT
<213> ORGANISM: *Mus musculus*

<400> SEQUENCE: 6

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			20				25					30			
Pro	Gly	Ala	Ser	Val	Lys	Met	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe
		35					40					45			
Thr	Ser	Tyr	Asn	Met	His	Trp	Val	Lys	Gln	Thr	Pro	Gly	Arg	Gly	Leu
	50				55					60					
Glu	Trp	Ile	Gly	Ala	Ile	Tyr	Pro	Gly	Asn	Gly	Asp	Thr	Ser	Tyr	Asn
65				70				75						80	
Gln	Lys	Phe	Lys	Gly	Lys	Ala	Thr	Leu	Thr	Ala	Asp	Lys	Ser	Ser	Ser
			85					90					95		
Thr	Ala	Tyr	Met	Gln	Leu	Ser	Ser	Leu	Thr	Ser	Glu	Asp	Ser	Ala	Val
		100						105					110		
Tyr	Tyr	Cys	Ala	Arg	Ser	Thr	Tyr	Tyr	Gly	Gly	Asp	Trp	Tyr	Phe	Asn
		115					120					125			
Val	Trp	Gly	Ala	Gly	Thr	Thr	Val	Thr	Val	Ser	Ala				
	130					135					140				

UNITED STATES PATENT AND TRADEMARK OFFICE
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DATED : June 3, 2008
INVENTOR(S) : D. R. Anderson et al.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<210> SEQ ID NO 7
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence

<220> FEATURE:
<223> OTHER INFORMATION: impaired Kozak sequence and restriction enzyme site

<220> FEATURE:
<223> OTHER INFORMATION: sense orientation

<400> SEQUENCE: 7
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27

UNITED STATES PATENT AND TRADEMARK OFFICE
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<210> SEQ ID NO 8
<211> LENGTH: 47
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence

<220> FEATURE:
<223> OTHER INFORMATION: PCR Primer

<220> FEATURE:
<223> OTHER INFORMATION: sense orientation

<400> SEQUENCE: 8
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47

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PATENT NO. : 7,381,560 B2
APPLICATION NO. : 09/911692
DATED : June 3, 2008
INVENTOR(S) : D. R. Anderson et al.

Page 21 of 24

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<210> SEQ ID NO 9
<211> LENGTH: 30
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence

<220> FEATURE:
<223> OTHER INFORMATION: PCR Primer

<220> FEATURE:
<223> OTHER INFORMATION: antisense orientation

<400> SEQUENCE: 9
tgcagcatcc gtacgtttga tttccagctt

30

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

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APPLICATION NO. : 09/911692
DATED : June 3, 2008
INVENTOR(S) : D. R. Anderson et al.

Page 22 of 24

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<210> SEQ ID NO 10
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence

<220> FEATURE:
<223> OTHER INFORMATION: PCR Primer

<220> FEATURE:
<223> OTHER INFORMATION: sense orientation

<400> SEQUENCE: 10
gcggctccca cgcgtgtcct gtcccag

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

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APPLICATION NO. : 09/911692
DATED : June 3, 2008
INVENTOR(S) : D. R. Anderson et al.

Page 23 of 24

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<210> SEQ ID NO 11
<211> LENGTH: 29
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence

<220> FEATURE:
<223> OTHER INFORMATION: PCR Primer

<220> FEATURE:
<223> OTHER INFORMATION: antisense orientation

<220> FEATURE:
<221> misc_feature
<222> LOCATION: (1)..(29)
<223> OTHER INFORMATION: s is g or c

<220> FEATURE:
<221> misc_feature
<222> LOCATION: (1)..(29)
<223> OTHER INFORMATION: m is a or c

<220> FEATURE:
<221> misc_feature
<222> LOCATION: (1)..(29)
<223> OTHER INFORMATION: r is g or a

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

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DATED : June 3, 2008
INVENTOR(S) : D. R. Anderson et al.

Page 24 of 24

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<400> SEQUENCE: 11
ggstgttgtagctgmrg agacrgtga .

29 --

Signed and Sealed this

Second Day of September, 2008

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looped initial "J" and a cursive "Dudas".

JON W. DUDAS
Director of the United States Patent and Trademark Office